

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An adaptive array radio communication apparatus having a plurality of antennas, comprising:

an estimation unit configured to estimate a correlation value between signals of a plurality of streams received at respective said plurality of antennas,

a display unit configured to display said estimated correlation value between said signals of said plurality of streams, and

an antenna correlation adjustment unit configured to cause the correlation value between said signals of said plurality of streams to be altered manually by a user; and

a display content switch unit configured to sequentially switch the display content by said display unit periodically,

wherein said display unit selectively displays said estimated correlation value between said signals of said plurality of streams and a magnitude level of said estimated correlation value as a display content.

2. (Canceled).

3. (Canceled).

4. (Canceled)..

5. (Canceled).

6. (Previously Presented) The adaptive array radio communication apparatus according to claim 1, further comprising an actuation unit configured to automatically actuate said estimation unit and said display unit.

7. (Previously Presented) The adaptive array radio communication apparatus according to claim 1, further comprising an actuation unit configured to actuate said estimation unit and said display unit in accordance with designation by a user.

8. (Canceled).

9. (Canceled).

10. (Currently Amended) The adaptive array radio communication apparatus according to claim ~~[[8]]~~ 1, further comprising an actuation unit configured to automatically actuate said estimation unit and said antenna correlation adjustment unit.

11. (Currently Amended) The adaptive array radio communication apparatus according to claim ~~[[8]]~~ 1, further comprising an actuation unit configured to actuate said estimation unit and said antenna correlation adjustment unit in accordance with designation by a user.

12. (Currently Amended) An antenna correlation display method of an adaptive array radio communication apparatus having a plurality of antennas, said method comprising the steps of:

estimating a correlation value between signals of a plurality of streams received at respective said plurality of antennas,

displaying, on a display, said estimated correlation value between said signals of said plurality of streams;

receiving a user input for causing the estimated correlation value to be altered by a user; and

readjusting the plurality of antennas based on the user-altered correlation value; and

sequentially switching display contents provided on the display periodically,

wherein said estimated correlation value between said signals of said plurality of streams and a magnitude level of said estimated correlation value are displayed as a display content on the display.

13. (Canceled).

14. (Canceled).

15. (Canceled).

16. (Canceled).

17. (Currently Amended) A computer readable medium storing an antenna correlation display computer program product of an adaptive array radio communication apparatus having a plurality of antennas, the computer program product causing a computer to execute the steps of:

estimating a correlation value between signals of a plurality of streams received at respective said plurality of antennas;

displaying on a display, said estimated correlation value between said signals of said plurality of streams;

receiving a user input for causing the estimated correlation value to be altered by a user; ~~and~~

readjusting the plurality of antennas based on the user-altered correlation value; and

sequentially switching display contents provided on the display periodically,

wherein said estimated correlation value between said signals of said plurality of streams and a magnitude level of said estimated correlation value are displayed as a display content on the display.

18. (Canceled).

19. (Canceled).

20. (Canceled).

21. (Previously Presented) The adaptive array radio communication apparatus according to claim 1, wherein said display unit displays said estimated correlation value as a numeric value, and wherein the user manually adjusts a separation between said plurality of antennas to make the correlation value to be smaller while viewing a current numeric value of said estimated correlation value on said display unit.

22. (Currently Amended) ~~The~~ An adaptive array radio communication apparatus ~~according to claim 1,~~ having a plurality of antennas, comprising:

an estimation unit configured to estimate a correlation value between signals of a plurality of streams received at respective said plurality of antennas,

a display unit configured to display said estimated correlation value between said signals of said plurality of streams, and

an antenna correlation adjustment unit configured to cause the correlation value between said signals of said plurality of streams to be altered manually by a user,

wherein said display unit displays said estimated correlation value as in either a high range, a middle range, or a low range, by way of turning on one of a first, second and third LED on said display unit.

23. (Previously Presented) The antenna correlation adjustment method according to claim 12, wherein said estimated correlation value is displayed as a numeric value, and wherein the user manually adjusts a separation between said plurality of antennas to make the correlation value to be smaller while viewing a current numeric value of said estimated correlation value that is being displayed.

24. (Currently Amended) ~~The~~ An adaptive antenna correlation adjustment method ~~according to claim 12, of an adaptive array radio communication apparatus having a plurality of antennas, said method comprising the steps of:~~

estimating a correlation value between signals of a plurality of streams received at respective said plurality of antennas,

displaying said estimated correlation value between said signals of said plurality of streams;

receiving a user input for causing the estimated correlation value to be altered by a user; and

readjusting the plurality of antennas based on the user-altered correlation value,

wherein said estimated correlation value is displayed as in either a high range, a middle range, or a low range, by way of turning on one of a first, second and third LED on a display.

25. (Previously Presented) The computer readable medium according to claim 17, wherein said estimated correlation value is displayed as a numeric value, and wherein the user manually adjusts a separation between said plurality of antennas to make the

correlation value to be smaller while viewing a current numeric value of said estimated correlation value that is being displayed.

26. (Currently Amended) ~~The A computer readable medium according to claim 17, storing an antenna correlation display computer program product of an adaptive array radio communication apparatus having a plurality of antennas, the computer program product causing a computer to execute the steps of:~~

estimating a correlation value between signals of a plurality of streams received at respective said plurality of antennas;

displaying said estimated correlation value between said signals of said plurality of streams;

receiving a user input for causing the estimated correlation value to be altered by a user; and

readjusting the plurality of antennas based on the user-altered correlation value,

wherein said estimated correlation value is displayed as in either a high range, a middle range, or a low range, by way of turning on one of a first, second and third LED on a display.

27. (Currently Amended) An adaptive array radio communication apparatus having a plurality of antennas, comprising:

an estimation unit configured to estimate a correlation value between signals of a plurality of streams received at respective said plurality of antennas; and

an antenna correlation adjustment unit configured to alter the correlation value between said signals of said plurality of streams such that said estimated correlation value becomes smaller,

wherein said antenna correlation adjustment unit comprises:

an antenna driving unit configured to modify an angle between a plurality of antennas; and

a control unit configured to control said antenna driving unit such that an angle between said plurality of antennas is modified to cause said correlation value to become lower than a predetermined threshold value.

28. – 31. (Canceled).